



iVIEW-2000KII

# USER'S MANUAL



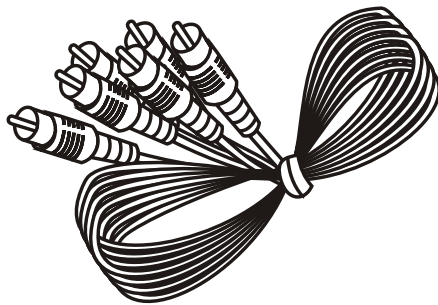
PROFESSIONAL KARAOKE PLAYER

# Accessories

## Open the box

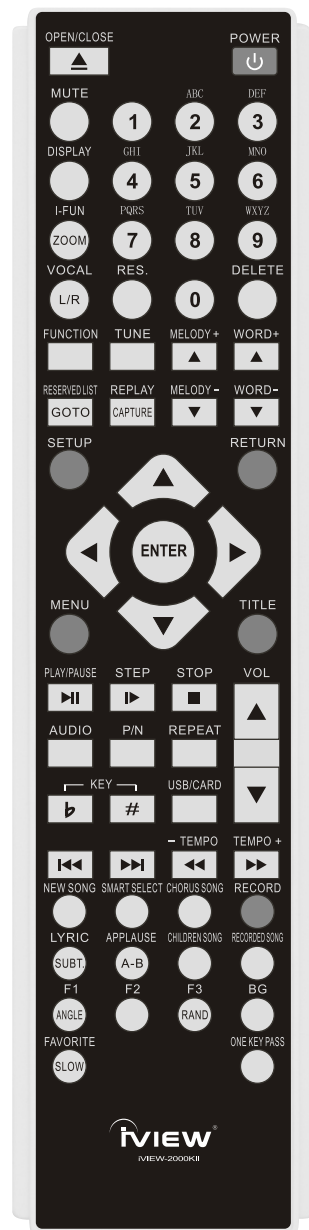
Make sure of those things:

1. One operation manual
2. One Av cable
3. One remote control



Enter information here for future reference after service:

Date of purchase:
Model No:
Serial No:
Selling dealer:
Dealer address:
Dealer telephone No:



# Characteristic

## ■ Power

Wide voltage range: 90-250VAC

Low power consumption design, the power consumption of system less than 25W

## ■ Compatibility

It can play following discs: large capability MIDI disc (including singers voice) and CD, CD+G , VCD , MP3, DVD , AVI , JPEG

## ■ System function

### ● Video output

Including five modes: VIDEO OUT, S-VIDEO, VGA, interlace VIDEO (Y, U, V).

### ● Vide output system

PAL/NTST/AUTO

### ● TV screen mode output

Normal/PS , Normal/LB , Wide

### ● Audio output

(5+1) audio output

Coaxial cable and optical fiber (two output model)

Support L/R audio output

## ■ USB and CARD

This player can play movies, music and photos which are saved in USB or CARD, such as SD, MMC

## ■ Accessorial function of system

- New human face and select song mode, make you looking for songs convenience
- The disc contains the picture of high definition, moving background.
- The Disc has singer's voice as well as a plenty of midi songs , dance music, celebration songs and so on.
- More than one music effect mode to meet your different demand of enjoying music.
- Digital karaoke, key control function for karaoke
- The scoring function is able to realize pastime goal
- Multifunction menu for remote control
- Built-in multiple countries language, convenient for customers
- Multi-angle, multi-view, multi-audio function
- Multi-level fast forward, fast backward, slower motion
- Zoom, program, step play, resume stop and repeat function

<b>Video output</b>	<b>1</b>	<b>Optical fiber audio output</b>	<b>1</b>
<b>S-video output</b>	<b>1</b>	<b>Support L/R audio output</b>	<b>2</b>
<b>interlace video(Y、 U 、 V) output</b>	<b>1</b>	<b>Mic input and volume control</b>	<b>2</b>
<b>Simulataion Six Sound Channel output</b>	<b>1</b>	<b>Score output</b>	<b>1</b>
<b>Coaxial audio output</b>	<b>1</b>	<b>Full function remote</b>	<b>Yes</b>

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# Safety precautions

**Warning:**

To reduce the risk of fire or electric shock don't expose this appliance to rain or moisture and don't remove cover.

**Caution:**

This player is a class 1 laser product.

Use of controls adjustment or performance of product other than those specified herein may result in hazardous radiation exposure.

As the laser beam used in this player is harmful to the eyes, refer servicing to qualified only

**Safety precautions:**

This equipment has been tested and found to comply with the limits which are designed to provide reasonable protection against harmful interference in a residential installation.

# Servicing precautions

## 1. Read owner's manual

After unpacking this product, read the owner's manual carefully, and follow all the operating and other instructions.

## 2. Power sources

This product should be operated only from the type of power source indicated on the rear panel. If you are not sure of the type of power supply in your home, consult your products dealer or local power company. For products intended to operate from battery, or other sources, refer to the operating instructions.

## 3. Ventilation

The product should never be on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

## 4. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

## 5. Water and moisture

Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool and the like.

## 6. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

## 7. Power-cord protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

## 8. Overloading

Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

## 9. Lightning

For added protection for this product during storm, or when it is left unattended and unused for long periods of time, unplug it from the outlet. This will prevent damage to the product due to light and power-line surges.

## 10. Object and liquid entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

## 11. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

## 12. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

## 13. Disc tray

Keep your fingers well clear of the disc tray as it is closing. Neglecting to may cause serious personal injury.

## 14. Burden

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.

## 15. Disc

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.

## 16. Damage requiring service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a) When the power-supply cord or plug is damaged.
- b) If liquid has been spilled, or objects have fallen into the product.
- c) If the product has been exposed to rain or water.
- d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- e) If the product has been dropped or damaged in any way.
- f) When the product exhibits a distinct change in performance -this indicates a need for service.

## 17. Servicing

Do not try to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

## 18. Replacement parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristic as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

## 19. Safety check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

# Note

## PRECAUTIONS

### NOTES ON HANDLING

- When shipping the DVD video player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the DVD video player. Do not leave rubber or plastic products in contact with the DVD video player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD video player may become warm after a long period of use. This is not a malfunction.
- When the DVD video player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the DVD video player for a long period, the unit may not function properly in the future. Turn on and use the DVD video player occasionally.

### Notes on locating

- When you place this DVD video player near a TV, radio, or VTR, the playback picture may become poor and the sound may be distorted. In this case, place the DVD video player away from the TV, radio, or VTR.

### Notes on cleaning

Use a soft, dry cloth for cleaning.

- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry. Do not use any type of solvent, such as thinner and benzene, as they may damage the surface of the DVD video player.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

### To obtain a clear picture

The DVD video player is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

### Notes on Moisture Condensation

**Moisture condensation damages the DVD video player. Please read the following carefully.**

Moisture Condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD video player.

#### ■ Moisture condensation occurs during the following cases.

- When you bring the DVD video player directly from a cold place to a warm place.
- When you use the DVD video player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the DVD video player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the DVD video player in a humid place.

#### ■ Do not use the DVD video player when moisture condensation may occur.

If you use the DVD video player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the DVD video player to the wall outlet, turn on the DVD video player, and leave it for two or three hours. After two or three hours, the DVD video player will have warmed up and evaporated any moisture. Keep the DVD video player connected to the wall outlet and moisture condensation will seldom occur.

# Disc caption

## **This player can play following discs:**

### **CD+G:**

Disc is CD including image information. Image is information about songs.  
For example: lyric , photo or character

### **VCD disc version**

1.0 version: the moving image and music.

2.0 version: the high definition still with PBC function.

### **MP3 disc**

Adopting the third audio frequency high compression of MPEG-I echo performance of high quality audio.

### **Midi DVD**

Midi is the initial letter of Music Instrument Digital Interface . Midi DVD is a disc with music file of recorded midi format or video file with other format which can be played in equipment with normal midi connector.

### **AVI**

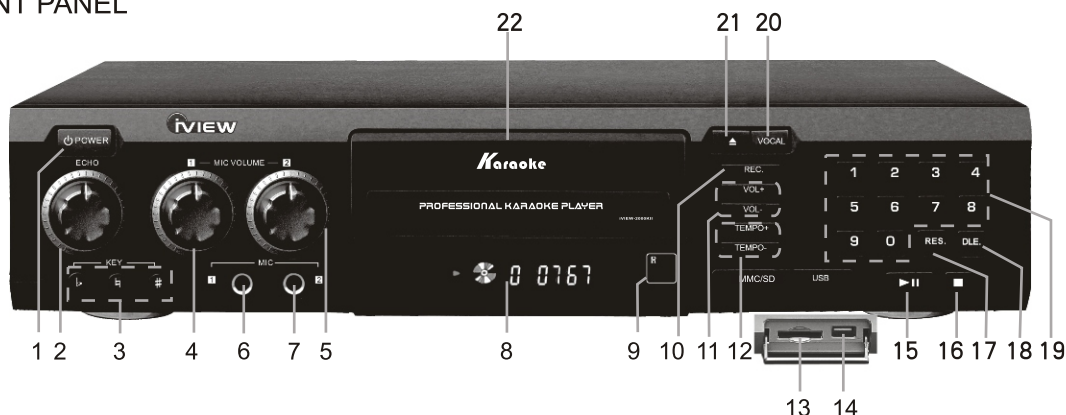
Disc is disc with AVI protocol, AVI is compress standard, image quality near dvd disc, sound quality near cd disc.

### **DVD Disc**

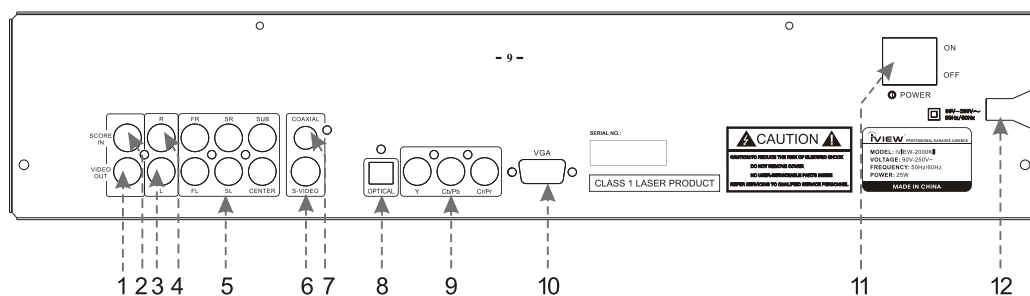
DVD is initial letter of Digital Video Disc. It contains two hours' movie and music with eight swing and record 32 kinds of language . With MPEG-II film zip and digital stereo effect function , the user can enjoy high quality image and good acoustics at home.

# Panel caption

## FRONT PANEL

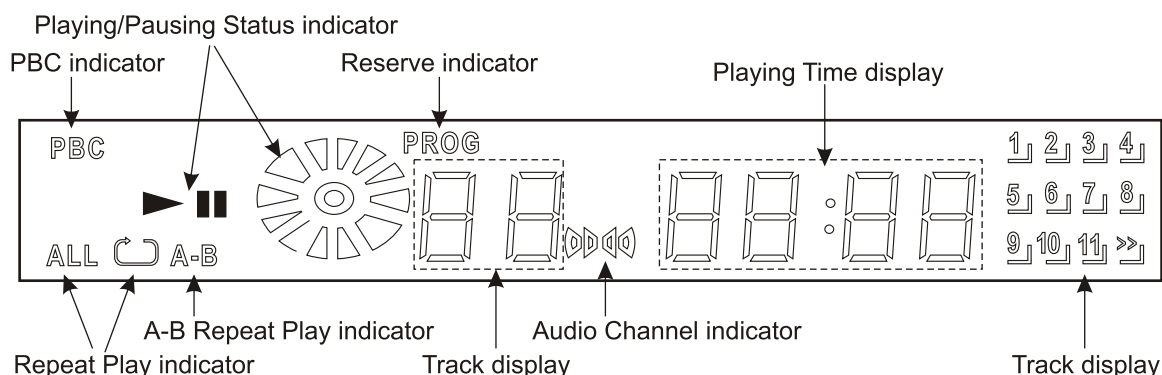


- |                                   |                                     |
|-----------------------------------|-------------------------------------|
| 1. POWER Switch                   | 12. TEMPO +/- Button                |
| 2. ECHO Control Knob              | 13. MMC/SD Jack                     |
| 3. KEY Control Knob               | 14. USB Jack                        |
| 4. MIC 1 VOLUME Control Knob      | 15. PLAY/PAUSE Button               |
| 5. MIC 2 VOLUME Control Knob      | 16. STOP Button                     |
| 6. MIC1 Jack                      | 17. RES. (short for reserve) Button |
| 7. MIC2 Jack                      | 18. DEL. (short for delete) Button  |
| 8. Display Window                 | 19. Numeric Buttons (0-9)           |
| 9. Remote Sensor                  | 20. VOCAL Button                    |
| 10. REC. (short of record) Button | 21. OPEN/CLOSE Button               |
| 11. VOL +/- Button                | 22. DISC Tray                       |



- |                          |                           |
|--------------------------|---------------------------|
| 1. VIDEO OUTPUT          | 8. OPTICAL OUTPUT         |
| 2. SCORE IN              | 9. Y, Cb/Pb, Cr/Pr OUTPUT |
| 3. LEFT AUDIO OUTPUT     | 10. VGA OUTPUT            |
| 4. RIGHT AUDIO OUTPUT    | 11. POWER SWITCH          |
| 5. (5+1) AUDIO OUTPUT    | 12. POWER IN              |
| 6. S-VIDEO OUTPUT        |                           |
| 7. COAXIAL NUMBER OUTPUT |                           |

# Display window



## DVD DISC

When stop playing:  
Example:



During playing:  
Example:



## VCD DISC

When stop playing:  
Example:



During playing:  
Example:

PBC indicator will light up if the user uses PBC.



## AUDIO CD

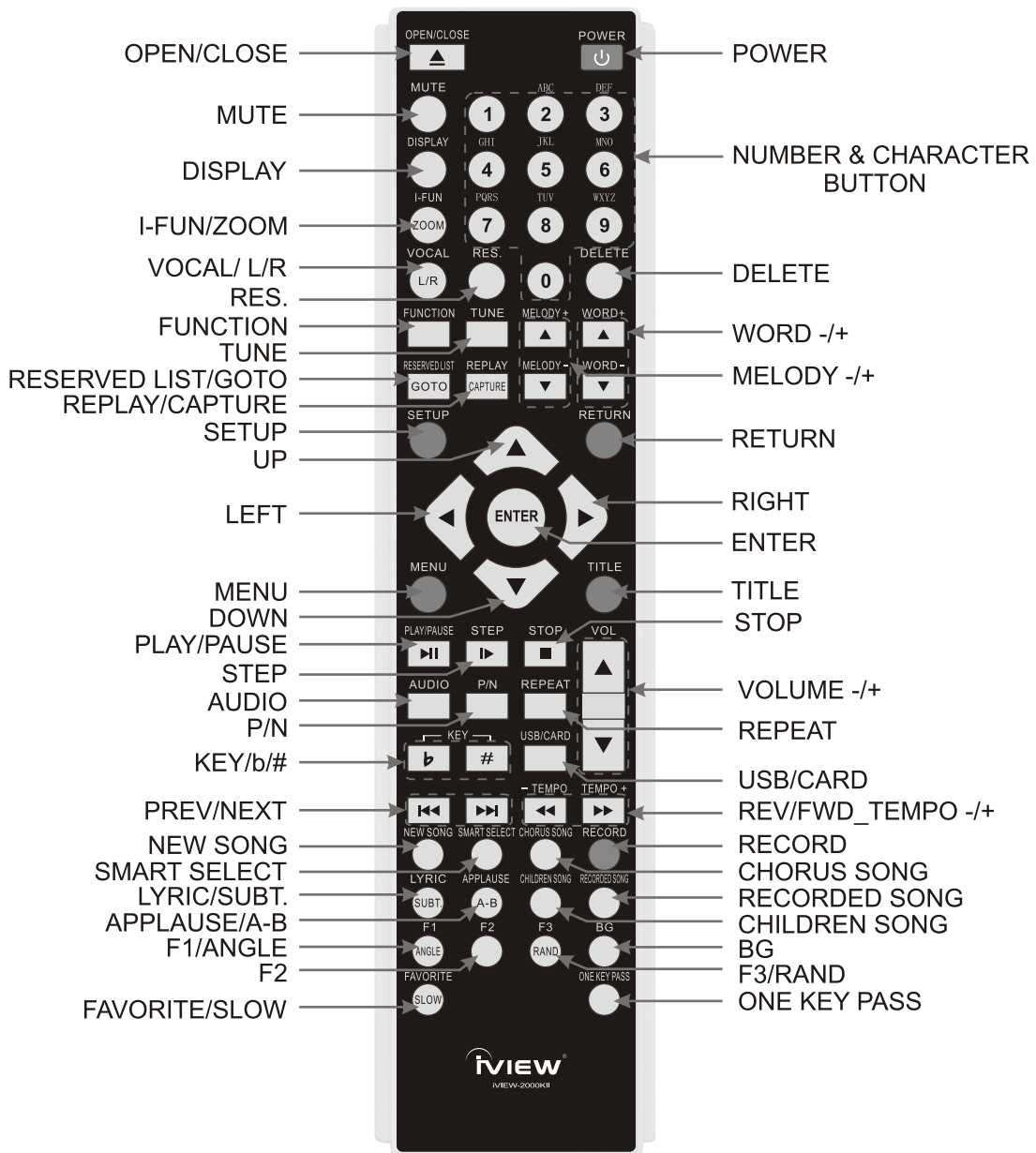
When stop playing:  
Example:



During playing:  
Example:



# Remote control





# How to use remote control

## Power sources for the remote controller.

The remote controller is powered by two A7(AA SIZE) batteries.

## Caution for battery replacement.

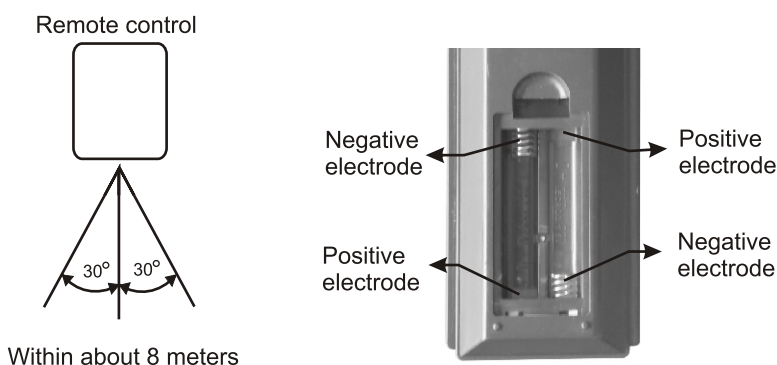
Load the new batteries with their polarities (+ and -) aligned correctly.

Do not apply heat to batteries short-circuit may occur.

If you do not intend to use the remote controller for a long period of time, remove the batteries and store them in a cool and dry place.

Remove spent batteries immediately and dispose of them.

Do not use an old and a new batteries together.(Also never use an alkaline battery with a manganese battery.)



## Notes on batteries

Improper use of batteries may cause battery leakage and corrosion. To operate the remote control correctly, follow the instructions below.

Do not insert batteries into the remote control in the wrong direction.

Do not charge, heat, open, or short-circuit the batteries. Do not throw batteries into a fire.

Do not leave dead or exhausted batteries together, or mix old and new batteries.

If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.

If the remote control does not function correctly or if the operating range become reduced, replace all batteries with new ones.

If battery leakage occurs, with the battery liquid from the battery compartment ,then insert new batteries.

## Notes on the remote control

Direct the remote control at the remote sensor of the DVD video player.

Do not drop or give the remote control a shock.

Do not leave the remote control near an extremely hot or humid place.

Do not spill water or put anything wet on the remote control.

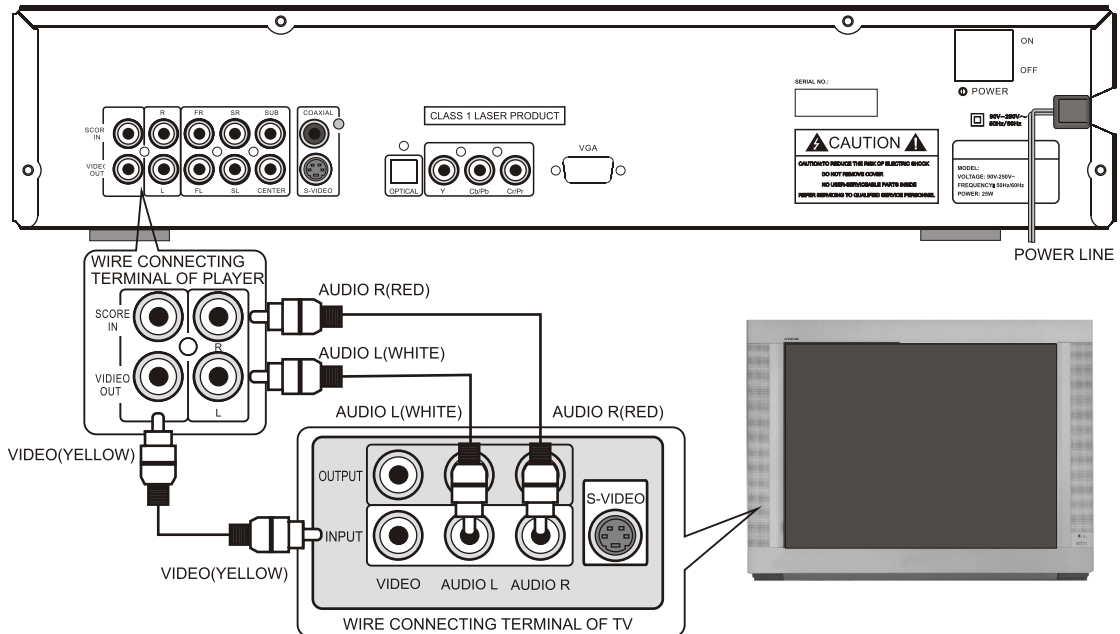
Do not open the remote control.

\* Do not expose the remote sensor of the DVD video player to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the DVD video player via the remote control.

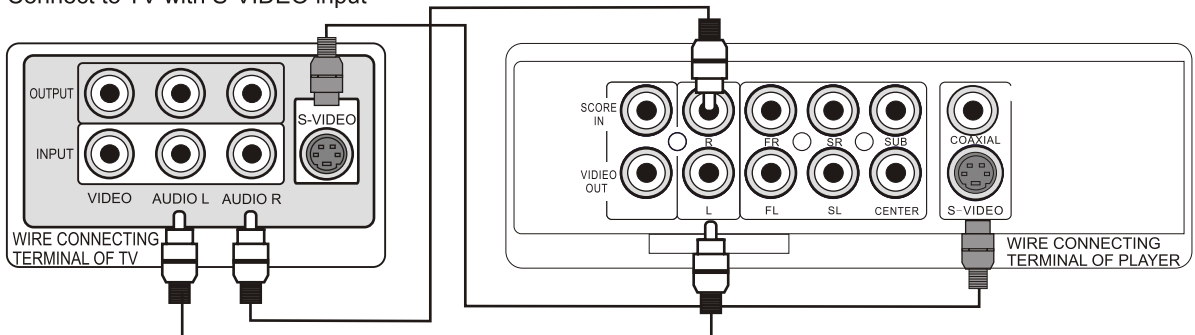
# System connection

**⚠ Please switch off the power before connecting.**

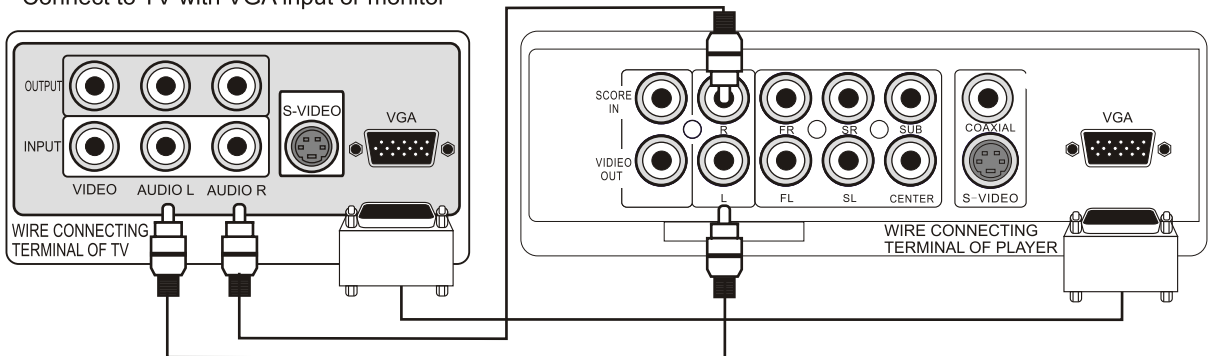
Connect to TV with AV input



Connect to TV with S-VIDEO input



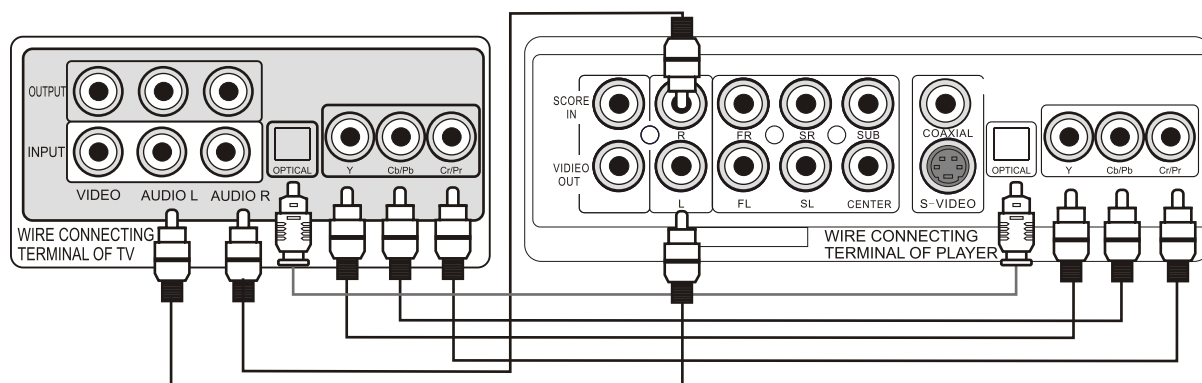
Connect to TV with VGA input or monitor



※ User can select any kind video output mode among VIDEO, S-VIDEO, VGA and YCb(Pb)Cr(Pr) in setup menu.

# System connection

Connect to TV with Y,Cb/Pb,Cr/Pr input

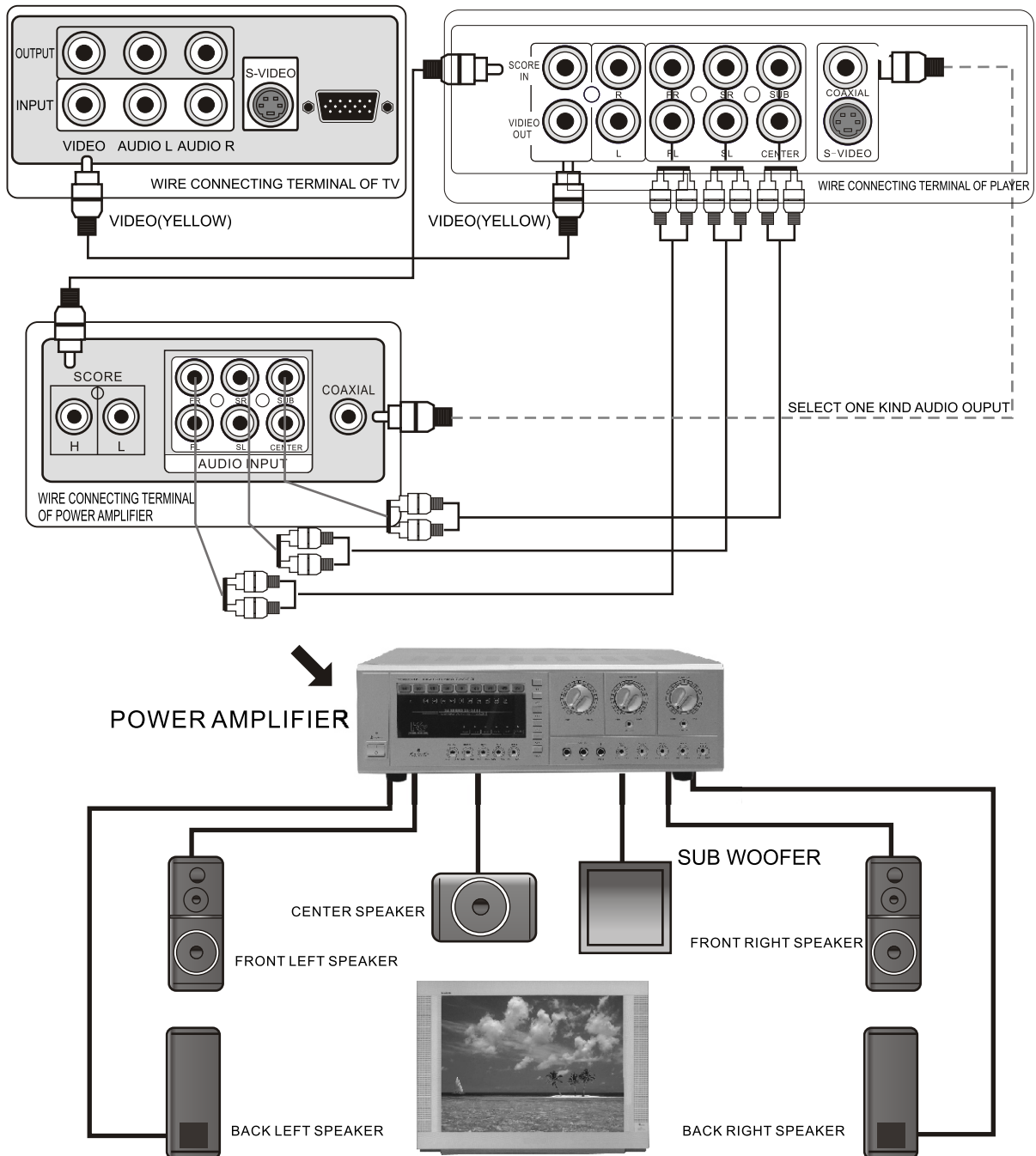


※ Note: User should prepare optical connecting wire in addition.

# System connection

Connect to TV with AV input and power amplifier with karaoke score out and 5+1 audio channels

Connect to power amplifier with 5+1 audio channels



※ Note: 5+1 audio channels can't output the midi musical sound.  
Musical sound can be output only by audio L and audio R.

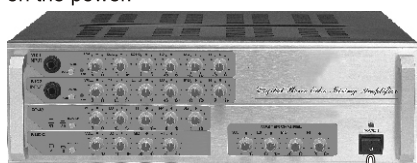
# Operation

When you connect the player to TV and amplifier.

1. Turn on the TV and press "TV/VIDEO" change the TV to video input mode.



2. If you use the power-amplifier, make sure to turn on the power.



3. Turn on the power on the player.



4. Press [OPEN/CLOSE] to open disc tray.

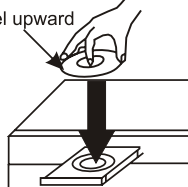


Display window displayed



5. Put the disc in the tray press the "OPEN/CLOSE" again to close the disc tray.

Label upward



6. The disc was put in the tray. It will enter the default mode and be played automatically. Under VCD condition, press "PLAY/PAUSE" button is for playing, in the first time, press "PLAY/PAUSE" button is for pausing in the second time.

PLAY/PAUSE

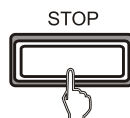


Display window displayed



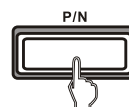
7. Press [STOP] button in the first time, pre-stop to play, press [PLAY] button, the player will continue to play (there is no the function when play MIDI disc). press [STOP] button in the second time, stop to play.

Display window displayed



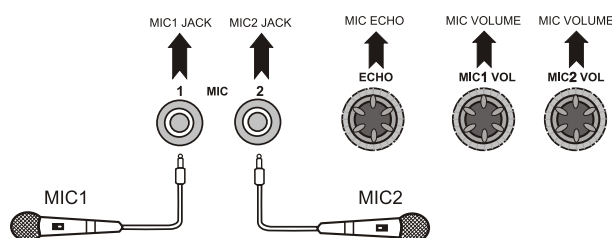
8. Press [P/N] button, Shift TV system mode, including Auto, NTSC, PAL.

NOTE: The function is effective in setup menu of midi disc.



9. When you want to enjoy the karaoke, then:

Please adjust the player's mic input or Amplifier output volume properly according to the following picture. To keep mic away from TV and Speaker and avoid noise. Additionally, when you play the midi disc, you can press [TEMPO+/-] or [TUNE] button to adjust tempo.



# Operation

## PLAY VCD DISC

1. Press [OPEN/CLOSE] button to Put the VCD/disc in the tray. This time, TV screen display: picture 1. You can operate as follow.

Note: graphic example as follow is differ with your operation in fact for structure of disc folder, but don't effect your action.

A. If disc is VCD2.0 or, you can press [NUMBER] button basis of song number in menu that TV screen display to play. You can't press direct number button to select in PBC.

B. If disc is vcd1.1, you can press direct number button to play song. Or vcd2.0 disc, you can press [MENU] button to close PBC menu, for example picture 2, this time, playing sequence from the first song Automatically.

C. Press [RES.] button to display program face, press [▲],[▼] button to select song, press [ENTER] button to add song to program list, or press [NUMBER] button to add song to program list. when the cursor place in program list, press [ENTER] button to delete the song selected, press [DELETE] button to delete all program song, press [PLAY/PAUSE] button to play in programming mode, press or [RES.] button to close program face. For example picture 3.

D. In play mode, pressing [RESERVED LIST/GOTO] button, then press [▲],[▼] button to select the different time mode, input track or time with [NUMBER] button. If you input effectual track or time, then press [ENTER] button, system will begin to play at the track or time you input.

Note : (1) Time format is \_\_:\_\_:\_\_ input time in order as follow: hour minute second  
(2) In program mode ,this function is not effective.

E. In play mode, you can press [L/R/VOCAL] button to change L/R channel. For example picture 5.

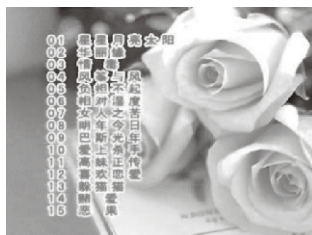
F. In play mode, press [I-FUN/ZOOM] button time after time , The image will be zoomed 2,3,4 multiple, and reduced 1/2,1/3,1/4 multiple. At the time of zooming the image, you can press [▼],[▲],[◀],[▶] button to adjust the position of he image. For example picture 6.

G. In PBC off, you can press [REPEAT] button to play repeat, press [REPEAT] button time after time to select differ repeat mode, for example picture 7.

H. In play mode, you can press [DISPLAY] button at any moment, Look over status of play on the left of screen. For example picture 8.

I. In play mode, Press [APPLAUSE/A-B] button in the first time to set the start of dot, Press [APPLAUSE/A-B] button in the second time to set the end of dot, the player begin to play section you select, Press [APPLAUSE/A-B] button in the third time to Cancel A-B repeat playing. For example picture 9.

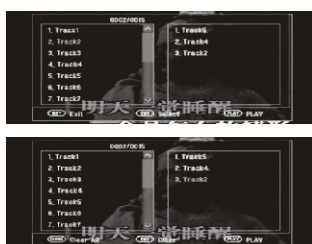
Picture 1



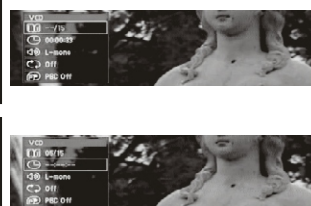
Picture 2



Picture 3



Picture 4



Picture 5



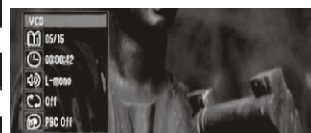
Picture 6



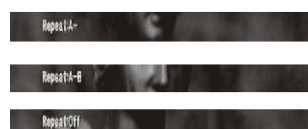
Picture 7



Picture 8



Picture 9



# Operation

2. During above operation, you operate the function as follow at any moment.

A. Press [VOL+] or [VOL-] button to adjust volume. Press [MUTE] button to close the sound. Press [b], [#] button to adjust key. for example picture 10.

Picture 10



B. Press [PREV] or [NEXT] button to play preview or next song, press [FWD] or [REV] button to play forwards or reverse faster. for example picture 11.

Picture 11



C. Press [FAVORITE/SLOW] button time after time, play forwards slower with differ normal speed .Press [PLAY/PAUSE] button to back to the status of normal playing.

D. Press [PLAY/PAUSE] button to pause playing, or you can select the image by pressing [STEP] button repeatedly. Press [PLAY/PAUSE] button to back to the status of normal playing.

E. Press [STOP] button to stop playing, pre-stop in the first time, stop in the second time.

F. Press [CAPTURE] button to picture that you like as logo.



# Operation

## PLAY DVD DISC

1. Press [OPEN/CLOSE] button to Put the DVD disc in the tray. This time, you can operate as follow.

Note: graphic example as follow is differ with your operation in fact for structure of disc folder, but don't effect your action. Otherwise, hint below of screen will help you.

A. You can press [ONE KEY PASS/BG] button to jump over the advertisement and play the song or films directly, for example picture 12. Or, in the menu, press [PLAY/PAUSE] button, play sequence from the first song. Or select chapter with [NUMBER] button to play, for example picture 13.

B. In play mode, press [RESERVED LIST/GOTO] button, then press [▲], [▼] button to select the different time mode, input title, chapter or time with [NUMBER] button. If you input effectual title, chapter or time, then press [ENTER] button, player will begin to play at the track or time you input, for example picture 14.

Note: (1) time format is \_\_:\_\_:\_\_, input time in order as follow: hour minute second.  
(2) in program mode, this function is not effective.

C. Press [RES.] button to entry to program face, press [▲], [▼] button to select song, press [ENTER] button to add song to program list, or press [NUMBER] button to add song to program list, press [RETURN] button to back front folder, when the cursor place in program list, press [ENTER] button to delete the song selected, press [DELETE] button to delete all program song, press [PLAY/PAUSE] button to play in programming mode, press or [RES.] button to close program face. For example picture 15.

D. In play mode, press [I-FUN/ZOOM] button time after time, The image will be zoomed 2, 3, 4, multiple, and reduced 1/2, 1/3, 1/4 multiple. At the time of zooming the image, you can press [▲], [▼], [◀], [▶] button to adjust the position of the image. For example picture 16.

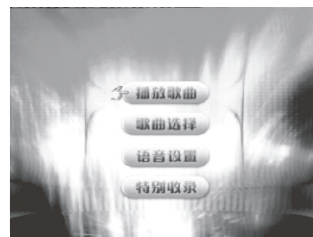
E. In play mode, you can press [REPEAT] button to play repeat, press [REPEAT] button time after time to select differ repeat mode. For example picture 17.

F. In play mode, you can press [DISPLAY] button at any moment, Look over status of play on the top of screen. For example picture 18.

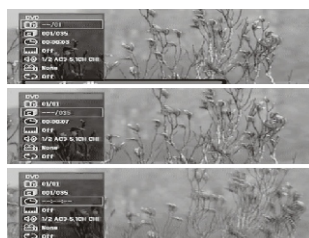
Picture 12



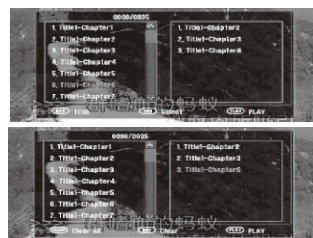
Picture 13



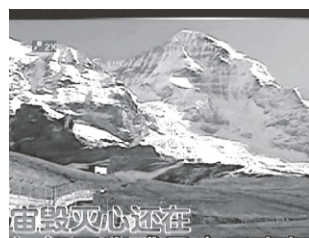
Picture 14



Picture 15



Picture 16



Picture 17



Picture 18



Picture 19



G. In play mode, Press [APPLAUSE/A-B] button in the first time to set the start of dot, Press [APPLAUSE/A-B] button in the second time to set the end of dot, the player begin to play section you select, Press [APPLAUSE/A-B] button in the third time to Cancel A-B repeat playing. For example picture 19.



# Operation

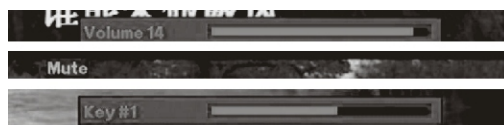
2. During above operation, you operate the function as follow at any moment:

A. Press [MENU] button to root menu, press [RETURN] button to return root menu, press [TITLE] to title menu.

B. Press [VOL+] or [VOL-] button to adjust volume. press [MUTE] button to close the sound. Press [ ] , [ # ] button to adjust key. For example picture 20.

Note: key is not effective in "5.1 channel".

Picture 20



C. Press [PREV] or [NEXT] button to play preview or next song, press [FWD] or [REV] button to play forwards or reverse faster. For example picture 21.

Picture 21



D. You can press [AUDIO] button to switch language of dialogue, this function is only applicable for the DVD disc which has been recorded multiple language. For example picture 22.

Picture 22



E. You can press [LYRIC/SUBT] button to switch language of subtitle, this function is only applicable for the DVD disc which has been recorded multiple language of subtitle.

F. You can press [ANGLE/F1] button to switch angle, this function is only applicable for the DVD disc which has been recorded multiple angle.

G. Press [FAVORITE/SLOW] button time after time, play forwards slower with differ normal speed. Press [PLAY/PAUSE] button to back to the status of normal playing.

H. Press [PLAY/PAUSE] button to pause playing, or you can select the image by pressing [STEP] button repeatedly. Press [PLAY/PAUSE] button to back to the status of normal playing.

I. Press [STOP] button to pause playing, pre-stop in the first time, stop in the second time.

J. Press [CAPTURE] button to picture that you like as logo.

# Operation

## MP3/JPEG/AVI

Press [OPEN/CLOSE] button to Put the disc in the tray. This time, TV screen display: picture 23.

Note: Graphic example as follow is differ with your operation in fact for structure of disc folder, but don't effect your action.

Press [◀], [▶] to move cursor and select the differ file. The display face is differ with the file of disc, For example picture 24.

## MP3

### Play MP3 disc

1.You operate the function as follow

A.Press [▲],[▼]button and [ENTER] button to select file to play, press [RETURN] button to back front folder.

B.In play mode, you can press direct [NUMBER] button to control to play song.For example picture 25.

C.Press [RES.] button to entry to program face, press [▲],[▼] button to select song, press [ENTER] button to add song to program list, or press [NUMBER] button to add song to program list, press [RETURN] button to back front folder, when the cursor place in program list, press [ENTER] button to delete the song selected, press [DELETE] button to delete all program song, press [PLAY/PAUSE] button to play in programming mode, press or [RES.] button to close program face. for example picture 26.

D.In play mode, press [RESERVED LIST/GOTO] button, input folder, track or time with number button. If you input effectual time, then press [ENTER] button, player will begin to play at the time you input, for example picture 27.

Note : (1) time format is \_\_:\_\_:\_\_input time in order as follow: hour minute second.  
(2) in program mode ,this function is not effective.

2.During above operation, you operate the function as follow at any moment.

A.Press [VOL+] or [VOL-] button to adjust volume, press [MUTE] button to close the sound. press [L/R/VOCAL] button to change audio channel, Press [b], [#] button to adjust key. for example picture 28.

B.Press [PREV] or [NEXT] button to play preview or next song, press [FWD] or [REV] button to play forwards or reverse faster.for example picture 29.

Picture 23



Picture 24



Picture 25



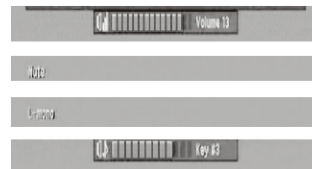
Picture 26



Picture 27



Picture 28



Picture 29



# Operation

C.Press [REPEAT] button to select file repeat, folder repeat, all disc repeat to play repeat. For example picture 30.

D.Press[APPLAUSE/A-B]button to play section repeat, operation is same as VCD disc.

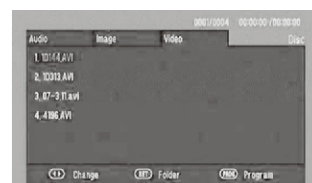
E.Press [PLAY/PAUSE] button to pause playing. Press [PLAY/PAUSE] button to playing.

F.Press [STOP] button to pause playing, pre-stop in the first time, stop in the second time.

Picture 30



Picture 31



## Play AVI disc

1.You operate the function as follow:

A.Press [▲],[▼]button to select file to play, for example picture 31.press [RETURN] button to back front folder.

B.You can press direct number button to control to play song.

C.In play mode, press [RESERVED LIST/GOTO] button, then press [▲], [▼] button to select the different time mode, input folder, track or time with number button. If you input effectual title, chapter or time, then press [PLAY/PAUSE] button, player will begin to play at the time you input, for example picture 32.

Note : (1) time format is \_\_:\_\_:\_\_,input time in order as follow: hour minute second.  
(2) in program mode ,this function is not effective.

D.Press [RES.] button to entry to program face, press[▲],[▼] button to select song, press [ENTER] button to add song to program list, or press [NUMBER] button to add song to program list, press [RETURN] button to back front folder, when the cursor place in program list, press [ENTER] button to delete the song selected, press [DELETE] button to delete all program song, press [PLAY/PAUSE] button to play in programming mode, press or [RES.] button to close program face. For example picture 33.

E.In play mode, press [I-FUN/ZOOM] button time after time, The image will be zoomed 2, 3, 4, 5 multiple, and reduced 1/2, 1/3, 1/4 multiple. At the time of zooming the image, you can press [▲],[▼],[◀],[▶] button to adjust the position of he image. For example picture 34.

2.During above operation, you operate the function as follow at any moment.

A.Press [MENU] button to return menu.

B.Press [VOL+] or [VOL-] button to adjust volume. press [MUTE] button to close the sound. Press [L/R/VOCAL] button to change audio channel, Press[ ♭], [♯] button to adjust key.For example picture 35.

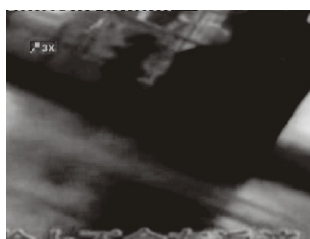
Picture 32



Picture 33



Picture 34



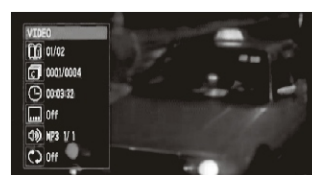
Picture 35



Picture 36



Picture 37



C.Press [PREV] or [NEXT] button to play preview or next song, press [FWD] or [REV] button to play forwards or reverse faster, For example picture 36.

D.In play mode, you can press [DISPLAY] button at any moment, Look over status of play on the top of screen. For example picture 37.

# Operation

E.Press [REPEAT] button to select file repeat, folder repeat, all disc repeat to play repeat. for example picture 38.

Picture 38



F.Press[APPLAUSE/A-B]button to play section repeat, operation is same as VCD disc.

G.Press[FAVORITE/SLOW] button time after time, play forwards slower with differ normal speed.Press[PLAY/PAUSE] button to back to the status of normal playing.

H.Press [PLAY/PAUSE] button to pause playing.

I.Press [STOP] button to pause playing, pre-stop in the first time, stop in the second time.

J.Press [CAPTURE] button to picture that you like as logo.

2.The other operation , the same as playing MP3 disc for folder operate, and the same as playing VCD disc in zooming , capturing operate for static images.

## PLAY CD CD+G DISC

1.Press [OPEN/CLOSE] to Put the CD or CD+G disc in the tray. After read disc will play automatically. If disc is CD disc, TV screen display nothing. If disc is CD+G disc, TV screen display image about song. This time ,you can act as follow.

A.Press [MUTE] button to open or close sound

B.Press [REPEAT] button to select the differ repeat mode.

C.Press [DISPLAY] button to look over current play status.

D.Press [RESERVED LIST/GOTO] button to select time mode to play, operation is same as VCD disc. CD+G disc do not select time.

E.Press [FWD] or [REV] button to play forwards or reverse faster, CD+G disc has not the select time.

## PLAY JPEG DISC

Along with the technology developing ,digit camera , DV,computer has become the normal electron equipment of family .the files of digit camera ,almost use the formation of JPEG which have high compressibility and lowest image lost . but the image CD those can play in player must be record by the special computer with professional technology . Opposite, this type player can play the DATA CD those simple record the image files (with the JPEG format) in it .and support the files be sort by multilevel folder.

1.In play mode, you can press [▲],[▼],[◀],[▶] button to circumrotate picture.  
Normal: Play picture of JPEG Continuously  
Program: The same as program of VCD  
Random: Play picture of JPEG randomly  
Concurrent: Play picture of JPEG Continuously, at the same time, play MP3 in the disc.

F.Press [APPLAUSE/A-B] button to play section repeat, operation is same as VCD disc. CD+G disc has not the function.

G.Press [I-FUN/ZOOM] button to zoom or reduce the image, operation is same as VCD disc. CD disc has not the function.

H.The function of [RES.] [NUMBER] ,[DELETE],[ENTER] [▲],[▼],[◀],[▶],[PREV],[NEXT],[VOL+/-],[⏮],[⏭],[STOP],[L/R/VOCAL] button is same as VCD disc.

# Operation

## RECORD FUNCTION

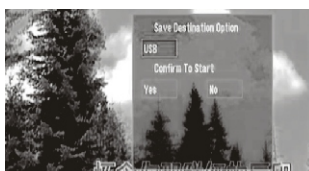
### Record Of DVD, VCD, AVI, MP3, Disc

1. In play mode, press [RECORD] button ,the screen display for example picture 39.
2. Press [▲],[▼],[◀],[▶] button to move cursor, press [ENTER] button to select begin record or cancel record ,the screen display for example picture40.
3. You can select the default name, rename or cancel record ,if you select rename, the screen display picture, press[▲], [▼], [◀], [▶] button and [ENTER] button to input an save new name, if new name exist, the screen display picture, you can select rename or exit, if no action, system exit automatically after 3 second.for example picture41.

Note: Press [DELETE] button to delete the wrong input, when the cursor place number&char keyboard.

4. Finish name ,begin record , the screen display for example picture 42.
5. During record , you can press [STOP] or [RECORD] button to stop record, or system will stop record automatically after one song finish play. For example picture 43.

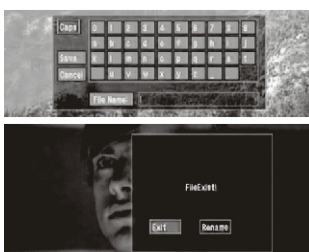
Picture 39



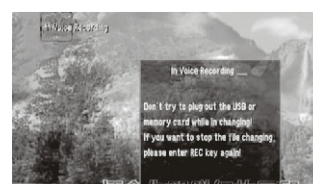
Picture 40



Picture 41



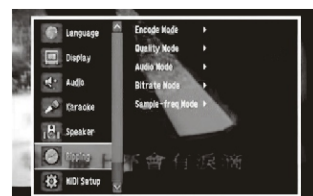
Picture 42



Picture 43



Picture 44



## RECORD OF CD, CD+G

1. At first ,set in setup menu,for example picture 44.
2. Play disc and begin record, you need select speed in record ,the other step is the same as the DVD disc.

Note:

- 1). The record file the saved in USB.
- 2). Before record ,the vol ,and so on adjust you need.
- 3). In CD, CD+G record, the sound will mute in speed 2x, and no stop record automatically in finish one song play.



# Operation

## Play MIDI DVD disc

1. Press [OPEN/CLOSE] button to Put the MIDI DVD disc in the tray. This time, TV screen display: picture 45. you can press [NUMBER] button to input the song number, for example picture 46, and then press [PLAY/PAUSE] or [ENTER] button to play.

2. Entry main menu to select song:

A. Press [MENU] button to entry main menu, for example picture 47, then press [ENTER] button to entry to "Smart Select". For example picture 48. This time, input first spell character of each word of songname that searched with character button, you can find fast song liked in the right of pane.

For example:

Look for "wanqiu ", press [9] button , then press [7] twice, press [DOWN] button to move the cursor in " wanqiu ", press [ENTER] button to play, for example picture 49.

Note : here you can press [WORD+/-] button to select word number, press [AUDIO] button to select language, press [ANGLE/F1] button to add song to favorite list, press [F2] button to play song of the current list Continuously, press [F3/RAND] button to play song of the current list randomly, press [RETURN] button to back to the front of folder.

B. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "Sel By Artist", for example picture 50. this time , press [UP/DOWN] button to select singer or song, press [LEFT/RIGHT] button to page up or down. Press [ENTER] button to play song that selected.

- Select singer with first character, for example picture 51.

Note : here you can press [ANGLE/F1] button to add song to favorite list, press [F2] button to play song of the current list Continuously, press [F3/RAND] button to play song of the current list randomly, press [RETURN] button to back to the front of folder, for example picture 52.

C. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "Sel By Language", for example picture 53 . this time, press [UP/DOWN] button to select language or song, press [LEFT/RIGHT] button to page up or down. Press [ENTER] button to play song that selected.

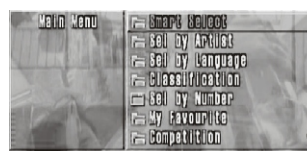
Picture 45



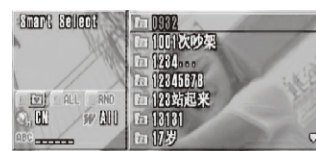
Picture 46



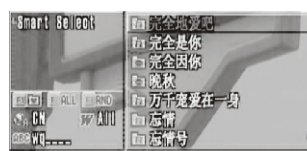
Picture 47



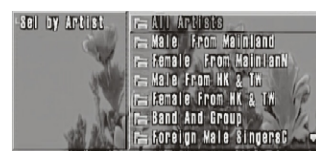
Picture 48



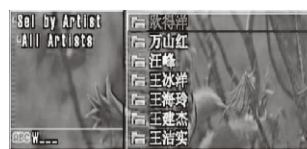
Picture 49



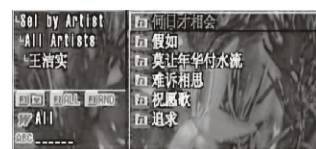
Picture 50



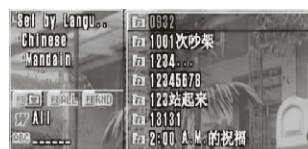
Picture 51



Picture 52



Picture 53



- Some language can select song with first character and word.

Note : here you can press [ANGLE/F1] button to add song to favorite list, press [F2] button to play song of the current list Continuously, press [F3/RAND] button to play song of the current list randomly, press [RETURN] button to back to the front of folder.

## Operation

D. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "Sel By Artist", for example picture 54. this time , press [UP/DOWN] button to select singer or song, press [LEFT/RIGHT] button to page up or down. Press [ENTER] button to play song that selected.

Note : here you can press [ANGLE/F1] button to add song to favorite list, press [F2] button to play song of the current list Continuously, press [F3/RAND] button to play song of the current list randomly, press [RETURN] button to back to the front of folder, for example picture 55 .

E. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "Sel By number".

- In stop mode, will go to "select" to select song, for example picture 56 .

- In play mode, "select 00000" will be displayed on the top of TV screen, for example picture 57, press [RES.] button after input song number.

Note : In "select", if no action, system will display recommend song automatically after 30 seconds, change one song 3-5 seconds, press [PLAY/PAUSE] button, will play current song which display in the screen.

F. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "My Favorite", for example picture 58 . this time , press [UP/DOWN] button to select song, press [LEFT/RIGHT] button to page up or down. Press [ENTER] button to play song that selected.

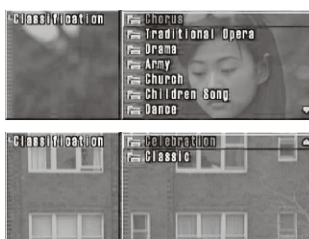
Note: here you can press [ANGLE/F1] button to delete song from favorite list, press [F2] button to play song of the favorite list continuously, press [F3/RAND] button to play song of the favorite list randomly, press [RETURN] button to back to the front of folder.

G. Press [MENU] button to entry to main menu, then press [UP/DOWN] or [ENTER] to select "competition", for example picture 59 .

(1) Select "Antagonize" Match, divide singers into A.B group to go on competition. TV screen display : picture 60, this time, you can Select the competition turns  $n$  ( $n=1-9$ ), TV screen display preparing watch.

- Enter "select" or menu to select songs ,system default A group a song and B group a song ,and so on,song will be mark which group' s songs on the reserved list.
- User change the turn, the sort always A by B.
- Select competition in program mode, program song will be the competition song.
- Every turn a singer each group sing and Add up to their score.
- Which group got higher total score will be the winner.

Picture 54



Picture 56



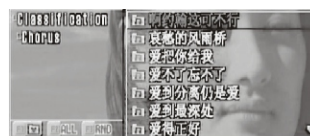
Picture 58



Picture 60



Picture 55



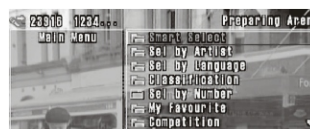
Picture 57



Picture 59



Picture 61



(2) Select "challenge" match, TV screen display :  
picture 61, this time, you can go search menu or "select"  
to select song.

- At the end of you sing every song ,system will compare your score and winner' s score ,the highest became the new winner, TV screen display the result :success or fail.
- The highest became the winner system record the winner's song number and score.
- Singer who' s score over current high score will be the new winner, system record the new winner 's song number and score.
- If your score lower the winner' s score ,times turn will add one
- On menu list ,select "end Arena Match" to exit arena match.

(3) Select "EXIT" to exit Antagonize Match or challenge Match.

# Operation

H. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "reserved list" to look about program song. For example picture 62.

- Press [UP/DOWN] button to move up or down focus.
- Press [ANGLE/F1] button, song of denoted current cursor is deleted from reserved list.
- Press [ENTER] button, song of denoted current cursor is placed head of reserved list.
- Press [F2] or [F3/RAND] button, song of denoted current cursor if moved up or down.

I. In the main menu, you can press [UP/DOWN] and [ENTER] button to select "Random Play", TV screen display : picture 63. you can press [UP/DOWN] button to select random play mode, then press [ENTER] button to play.

Note: Press [STOP] button to play the next song.  
Press [MENU] button to exit random play.

J. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "record song", for example picture 64 . This time , press [UP/DOWN] button to select song, press [LEFT/RIGHT] button to page up or down. Press [ENTER] button to play song that selected.

Note : (1) Here you can press [ANGLE/F1] button to delete song from recorded song list, press [RETURN] button to back to the front of folder.

(2) Record operation see to page 27 .

K. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "new songs", for example picture 65. this time , press [UP/DOWN] button to select language or song, press [left/right] button to page up or down. Press [ENTER] button to play song that selected

Note : Here you can press [ANGLE/F1] button to add song to favorite list, press [F2] button to play song of the current list Continuously, press [F3/RAND] button to play song of the current list randomly, press [RETURN] button to back to the front of folder.

L. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "Function Menu". TV screen display: picture 66, this time, you can select setup item with [UP/DOWN] button, then press [ENTER] button to entry to setup.

Lower Limit: 0, 60, 70, 80, 90

Higher Limit: 96~100

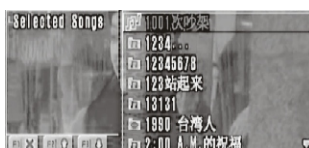
Score Mode: input、random

Score Music: Select to play the celebration music during get score.

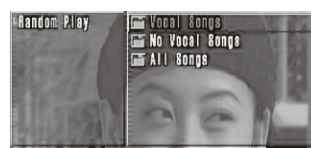
Lyric Prompt: Select to open or close Lyric Prompt

Lyric Shadow: Select to open or close Lyric Shadow

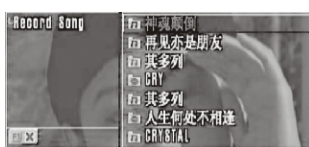
Picture 62



Picture 63



Picture 64



Picture 65



Picture 66



Picture 67



M. In the main menu, you can press [UP/DOWN] and [ENTER] button to entry to "MTV song", for example picture 67 . this time , press [UP/DOWN] button to select language or song, press [LEFT/RIGHT] button to page up or down. Press [ENTER] button to play song that selected.

- You can select song with first character and word.

Note : here you can press [ANGLE/F1] button to add song to favorite list, press [F2] button to play song of the current list Continuously, press [F3/RAND] button to play song of the current list randomly, press [RETURN] button to back to the front of folder.

3. In playing mode, after press number button to select song, press [RES.] button to program song.

4. In play mode, you can press [b][#] [TEMPO+] [TEMPO-] [VOL+] [VOL-] [MUTE] [TUNE] to adjust this setting. otherwise, you can press [APPLAUSE] button , applause will be sounded automatically.

Note : press [TUNE] button to adjust music volume, vocal volume, melody, tempo, key. You can press [VOL+/-] or [LEFT/RIGHT] button to adjust in display item.



# Operation

5. In play mode , press [REPLAY] button to replay the playing song, press [repeat] button to repeat the playing song, press [SUBTITLE/LYRIC] button to setup lyric displaying, when playing vocal song, press [VOCAL] button to shift vocal.
6. You can press [DISPLAY] button to open or close info in the top of TV screen.
7. Record function

## (1)How to record

Press [RECORD] button to record.

### a)In play mode

The screen display "record next" for example picture 68, and begin recording from the next song.

### b)In stop mode

The screen display "Record On" and open record function , for example picture 69. Press again, the screen display "Record off" and close record function , for example picture 70.

After finish playing all of songs in the reserved list , the record function will be closed automatically . It also can be closed by press [RECORD] button.

## (2)Play record song

Entry to record song list by press [RECORDED SONG] button, for example picture 71, In "record song" list, you can select song to play.

## (3)Delete record song

In stop mode, select song that you want to delete in "record song" list, press [F1] button, for example picture 71.

## (4)Some buttons disposal during record.

[STOP]: Stop the playing song ;  
If record time exceed 10 seconds, the recording song is saved, or the recording song is cancelled.

[PAUSE]: Pause the current playing song ; Close record function; Delete the recording song.

[REPLAY]: Replay song ; Delete the recorded song ; Restart record.

Note: recorded song is saved in USB, USB must be connected before power on, if no connect to USB, TV screen display: No Store Dev.

## 8.I-fun function

Picture 68



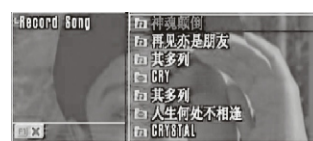
Picture 69



Picture 70



Picture 71



Picture 72



Picture 73



I-FUN is a powerful scoring system, it shows dynamic effective of singing and give user an visual score, it just like a professional teacher guide user singing and learning and use a correct way to practice singing, it is very convenience for listening and revising singing and promote user to a good singer in a short time.

There is a ten-stave on the screen when user singing, for example picture 72. Translucent bar shows correct pitch then user sings actual pitch the same as correct pitch, it turns yellow; if actual pitch is differ from correct pitch, it turns red. One translucent bar, if user sings actual pitch the selfsame as correct pitch, will be gave the add cent. for example picture 73.

On the top of screen, there is a real time score displaying, this is only count of singing, not convert to hundred number.

It displays different icons for sings bad or good, if the icons the same as previous sing, it do not appear, if continue five times did not appear then show icon in sixth time.

Press [I-FUN] button to open or close real time score interface.

## 9.Background switch

About midi disc of two background , you can press [BG] button to background switch.

# Operation

## INSTRUCTION OF USB DISC AND CARD

Insert USB or card before power on, then move disc from tray, after close the tray, system will play file in the USB or CARD. Or, in play except midi disc you can press [USB/CARD] button, then press [ENTER] button to play the file in the USB or CARD, for example picture 74.

Note:

- Card support : MMC, SD.
- If file in the USB or CARD is not format of the player support, will not play.
- The function operation reference the operation of MP3/JPEG/AVI disc.

## SYSTEM SETUP

Note: Setting as following relate video/audio output effect, face, password and so on, setting is differ by sell area. If any operation is not understand, don't adjust unbending. If the operation is error, please select "Default" in the "Parental".

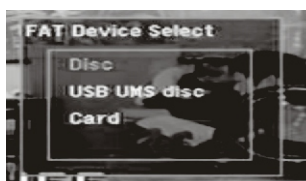
1. Language, for example picture 75  
 OSD Language : English, 中文  
 Subtitle: English, French, Italian, German, Chinese, Others, Off  
 Audio: English, French, Italian, German, Chinese, Others  
 Version: View Ver.
2. Display, for example picture 76  
 Aspect Ratio: 16: 9, 4: 3 LB, 4: 3 PS  
 TV Type: Auto, NTSC, PAL  
 Video Out: S-Video, YPbPr, VGA, YCbCr  
 Auto Effect: Off, On  
 Screen Saver: Off, On  
 Last memory: Off, On  
 Logo selection: Off, On  
 HDMI Video: 480p, 720p, 1080i, 1080p

Note: This item is displayed in open tray. After press [CAPTURE] button, the picture of capture as logo automatically.

3. Audio, for example picture 77  
 SPDIF Digital: RAW, PCM, Off  
 Channel Output: LT/RT, Stereo, 5.1channel  
 Dual mono: Stereo, L-mono, R-mono, Mix-mono  
 LPCM output: 48KHZ, 96KHZ  
 Dynamic:  
 HDMI Audio: Off, On

Note :Setup output frequency of LPCM, for work in Amplifier, output frequency in connection with factual frequency, signal of 48khz don't output 96khz.

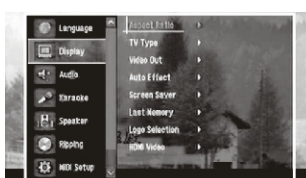
Picture 74



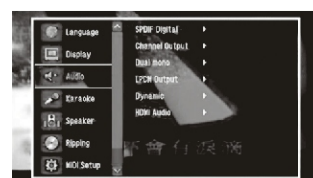
Picture 75



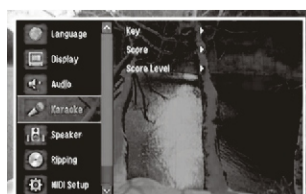
Picture 76



Picture 77



Picture 78



Picture 79



4. Karaoke, for example picture 78  
 Key : -6 --> 6  
 Score: off, on  
 Score level : Amateur, Standard, Professional
5. Speaker, for example picture 79  
 3D/EQ: Off, 3D, Jazz, Rock, Pop, Classic  
 Reverberation: Normal, Living room, Hall, Arena, Cave, Concert Hall, Bath room, Cathedral

# Operation

## 6. Ripping, for example picture 80

Encode Mode: ABR, CBR

Quality Mode: NORMAL, HIGH

Audio Mode: STEREO, JOINR-STEREO, DUAL-CHANNEL, MONO

Bitrate Mode: 32KBPS, 48KBPS, 64KBPS, 96KBPS, 128KBPS, 192KBPS, 256KBPS

Sample-freq Mode: 48000, 44100, 32000



Picture 80

## 7. MIDI setup, for example picture 81

Melody Setup: on, off

IFun Setup: on, off

Midi screen: DVD Screen, BLUE Screen

Favor threshold: 3-20

Auto Play: off, On

EditOpenTrayPWD

Open Tray PWD: off, On

Note: 1. If password be need ,MIDI disc opened tray, and you can change password.

2. Default password:666666, or setting on the basis of user's need.



Picture 81

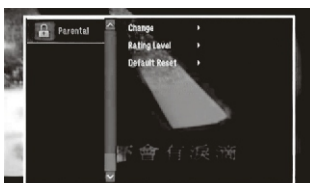
## 8. Parental, for example picture 82

Change:

Rating Level: 8 Adult, 7 NC 17, 6R, 5PG-R, 4PG-13, 3PG, 2G, 1Kidsafe, Off.

Note: Some disc don't permit children watch, else if enter password, default password :000000

Default Reset: Resume default setting.



Picture 82

# Troubleshooting

Symptoms	Action
? the remote has no function	<ul style="list-style-type: none"> <li>* Remove the obstacles in the path of the remote and the player.</li> <li>* Point the remote at the remote sensor on the player.</li> <li>* Replace all the batteries in the remote with new ones if they are weak.</li> </ul>
? there is no image ,no color the image is rolling vertically	<ul style="list-style-type: none"> <li>* Check the TV mode whether or not right.</li> <li>* Check that the player is connected securely.</li> <li>* Press the [SETUP] button change the player mode to right.</li> </ul>
? there is no sound	<ul style="list-style-type: none"> <li>* Check the audio output whether or not connected securely to the TV or amplifier.</li> <li>* Check the power of TV whether or not turn on.</li> <li>* Whether or not turn on the tv or amplifier volume</li> </ul>
? there is no sound from the microphone	<ul style="list-style-type: none"> <li>* Check the power of the microphone whether or not turn on.</li> <li>* Check the audio output whether or not connected securely.</li> <li>* The volume of microphone whether or not in minimum mode.</li> </ul>
? there is whistle when insert the microphone	<ul style="list-style-type: none"> <li>* The volume of the microphone. (MIC1 LEVEL,MIC2 LEVEL)</li> <li>* Make sure you turn on the volume of TV or Amplifier.</li> </ul>
? cheesy of the image	<ul style="list-style-type: none"> <li>* The disc may be dirty or have deep scratches.</li> </ul>
? when playing as some play ,the player can not continue	<ul style="list-style-type: none"> <li>* The mode of player whether or not in [A-B] repeat status.</li> <li>* The disc may be dirty or have deep scratches.</li> </ul>
? the disc do not play	<ul style="list-style-type: none"> <li>* There is no disc inside.(no disc appears)</li> <li>* Insert the disc with the label side up on.</li> <li>* The disc tray correctly.</li> <li>* Whether or not used the disc overrun the giftie of the player.</li> </ul>

# Specification

<b>COMPATIBILITY DISC</b>	CD, CD+G, VCD, MP3, DVD, AVI
<b>VIDEO OUTPUT</b>	VIDEO OUT, S-VIDEO, VGA, SCART Interlace video(Y, U, V)
<b>VIDE OUTPUT SYSTEM</b>	PAL/NTST/AUTO
<b>VIDEO PIXEL SIZE</b>	720X480 RESOLUTION
<b>INPUT</b>	2Mic input and volume control Score In
<b>AUDIO OUTPUT</b>	(5+1) audio output Coaxial cable optical fiber AUDIO output L/R audio output
<b>S/N RATIO</b>	>80dB
<b>POWER REQUIREMENT</b>	AC90~250V,50/60Hz
<b>CONSUMPTION</b>	25W
<b>SIZE(LXWXH)</b>	483(L) X 148(W) X 416(H)(mm)
<b>WEIGHT</b>	2Kg

# Specification

## FEATURES:

Built-in USB & 2-In-One (SD,MMC) Card Reader  
Singing Recording function through USB to flash disk and hard disk  
I-FUN scoring function  
Supports 2pcs wired Digit Microphones with 12 keys  
Vocal Partner (for Vocal Songs and VCD Karaoke)  
Vocal Control (For Vocal Songs and VCD Karaoke)  
Adjustable Scoring Function for competition, party fun and entertainment  
Compatible formats: DVD, VCD, CD, CD-R, CD-RW, JPEG, CD+G, AVI CD+G, AVI  
Built-in English, Chinese, Japanese, Filipino, Spanish, Russian,  
Thai, Brazilian, Korean, Vietnamese and other languages for song disc playback  
Two Microphone Inputs  
High Quality Echo  
Professional Karaoke function with 12 step Key Control and 12  
Step Tempo Control  
13 step output volume adjustment  
Supporting song disc with thousands of songs in AVI format  
Multiple index search so you can easily find your favorite songs  
7 music scene choices (Rock,Classic, Stadium, Disco, Plaza, Jazz and Normal )  
Reserved 12 song memory function  
Automatic Random playback of songs and images with shuffle function  
Applause Effect  
Multi-Angle, Multi-View, Multi-Audio, Multi-Subtitle  
Over 500 lines of Horizontal Resolution  
Universal TV system NTSC/ PAL

## CONNECTORS:

Audio Outputs: 5.1 CH RCA / Coaxial / Optical  
Video Outputs: Video / S-video / YCBCR  
90-250V AC Universal Power Supply